



1

ATTORNEY DOCKET NO. 14114.0332U2

SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: Chang, Gwong-Jen J
- (ii) TITLE OF INVENTION: Nucleic Acid Vaccines for Prevention of Flavivirus Infection
- (iii) NUMBER OF SEQUENCES: 6

(iv) CORRESPONDENCE ADDRESS:

- (A) ADDRESSEE: Needle & Rosenberg, P.C.
- (B) ~~STREET:~~ 127 Peachtree St., NE., Ste. 1200, The Candler Bldg.
- (C) CITY: Atlanta
- (D) STATE: GA
- (E) COUNTRY: USA
- (F) ZIP: 30303-1811

(v) COMPUTER READABLE FORM:

- (A) MEDIUM TYPE: Diskette
- (B) COMPUTER: IBM Compatible
- (C) OPERATING SYSTEM: Windows
- (D) SOFTWARE: FastSEQ for Windows Version 4.0

(vi) CURRENT APPLICATION DATA:

- (A) APPLICATION NUMBER: 09/701,536
- (B) FILING DATE: November 29, 2000
- (C) CLASSIFICATION: U.S. National Phase

(vii) PRIOR APPLICATION DATA:

- (A) ~~APPLICATION NUMBER:~~ PCT/US99/12298
- (B) FILING DATE: June 3, 1999

(viii) ATTORNEY/AGENT INFORMATION:

- (A) NAME: Miller, Mary L.
- (B) REGISTRATION NUMBER: 39,303
- (C) REFERENCE/DOCKET NUMBER: 14014.0332U2

(ix) TELECOMMUNICATION INFORMATION:

- (A) TELEPHONE: 404-688-0770
- (B) TELEFAX: 404-688-9880
- (C) TELEX:

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 48 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single

09/01536-061801



(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other

(ix) FEATURE:

(A) NAME/KEY: Coding Sequence

(B) LOCATION: 25...48

(D) OTHER INFORMATION:

(A) NAME/KEY: Other

(B) LOCATION: 1...48

(D) OTHER INFORMATION: Amplimer 14DV389

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

CTTGGTACCT CTAGAGCCGC CGCC ATG GGC AGA AAG CAA AAC AAA AGA 48
Met Gly Arg Lys Gln Asn Lys Arg
1 5

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 50 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other

(ix) FEATURE:

(A) NAME/KEY: Other

(B) LOCATION: 1...50

(D) OTHER INFORMATION: Amplimer c14DV2453

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

TTTTCTTTTG CGGCCGCTCA AACTTAAGCA TGCACATTGG TCGCTAAGAA 50

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 48 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other

(ix) FEATURE:

(A) NAME/KEY: Coding Sequence

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- (B) LOCATION: 25...48
(D) OTHER INFORMATION:

- (A) NAME/KEY: Other
(B) LOCATION: 1...48
(D) OTHER INFORMATION: Amplimer YFDV389

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

CTTGGTACCT CTAGAGCCGC CGCC ATG CGT TCC CAT GAT GTT CTG ACT 48
Met Arg Ser His Asp Val Leu Thr
1 5

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 41 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other

(ix) FEATURE:

- (A) NAME/KEY: Other
(B) LOCATION: 1...41
(D) OTHER INFORMATION: Amplimer cYFDV2452

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

TTTTCTTTTG CGGCCGCTCA CGCCCCAACT CCTAGAGAAA C 41

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 54 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other

(ix) FEATURE:

- (A) NAME/KEY: Coding Sequence
(B) LOCATION: 25...54
(D) OTHER INFORMATION:

- (A) NAME/KEY: Other

0970536-051901



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- (B) LOCATION: 1...54
(D) OTHER INFORMATION: Amplimer SLEDV410

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

CTTGGTACCT CTAGAGCCGC CGCC ATG TCT AAA AAA AGA GGA GGG ACC AGA 51
Met Ser Lys Lys Arg Gly Gly Thr Arg
1 5

TCG 54
Ser
10

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 38 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other

(ix) FEATURE:

- (A) NAME/KEY: Other
(B) LOCATION: 1...38
(D) OTHER INFORMATION: Amplimer cSLEDV2449

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

TTTTCTTTTG CGGCCGCTTA GGCTTGCACG CTGGTTGC 38

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